2010/01/05 13:55:41
2010/01/05 15:14:34

[File 2] INSPEC 1898-2009/Jan W2
[File 6] NTIS 1964-2009/Jan W4
[File 8] Ei Compendex(R) 1970-2009/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2009/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2009/Jan
[File 65] Inside Conferences 1993-2009/Jan W5
[File 99] Wilson Appl. Sci & Tech Abs 1983-2009/Apr
[File 144] Pascal 1973-2009/Jan W2
[File 23] CSA Technology Research Database 1963-2009/Jan
[File 31] World Surface Coatings Abs 1976-2009/Jan
[File 95] TEME-Technology & Management 1989-2009/Jan W5
[File 56] Computer and Information Systems Abstracts 1966-2009/Aug
[File 57] Electronics & Communications Abstracts 1966-2009/Aug
[File 68] Solid State & Superconductivity Abstracts 1966-2009/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2009/Jan
[File 293] Engineered Materials Abstracts 1966-2009/Jan
[File 239] Mathsci 1940-2009/Feb
[File 256] TECINFOSOURCE 82-2009/DEC

```
Set     Items    Description
S1    1387752    CONVERTER??? OR CONVERTOR??? OR TRANSFORMER OR TRANSFORMERS OR
TRANSDUCER???(2N)(CONTROL???? OR MULTIPLI??????? OR REGULAT?????)

S2     801149    POWER(2N)(ADAPTER OR ADAPTOR OR ADAPTERS OR ADAPTORS OR CONVERTER??? OR
CONVERTOR??? OR CONVERTING OR CONVERSION OR REGULATOR OR REGULATORS OR REGULATER OR
REGULATERS OR REGULATING OR REGULATION OR RECTIFY OR RECTIFIES OR RECTIFIED OR
RECTIFYING OR RECTIFICATION OR SUPPLY OR SUPPLYING OR SUPPLIES OR SUPPLIED OR SOURCE OR
SOURCES OR PACK OR PACKS) OR PSU OR SUPPLY(2N)(UNIT??? OR DEVICE??? OR APPT OR APPARATUS
OR MEANS) OR UPS OR UNIVERSAL()POWER()SUPPLY OR (UNIVERSAL OR UNINTERRUPTED OR
UNINTERRUPTIBLE)(2N)(SUPPLY OR SOURCE OR POWER)

S3     877113    (MEASUR????? OR TEST???? OR DETERMIN????? OR ANALY????? OR DETECT???? OR
SENS???? OR EVALUAT???? OR INVESTIGAT???? OR IDENTIF??????????)(3N)(CURRENT OR CURRENTS
OR VOLT OR VOLTS OR VOLTAGE)

S4    1578569    (FEED??? OR FED OR SUPPLY??? OR SUPPLI??? OR DELIVER??? OR DISPENS??? OR
PROVID????)(3N)(ELECTRIC??? OR MOTOR OR MOTORS OR MACHINE OR DEVICE???? OR APPT OR
APPARATUS OR MEANS OR METHOD???? OR UNIT??? OR MECHANISM??? OR ASSEMBL????)

S5      48116    (INSIDE OR WITHIN OR INTEGRAT???? OR INTEGRAL??? OR INHERENT??? OR
INTERNAL??? OR RESIDENT OR INCORPORAT??? OR BUILTIN OR BUILT()IN OR INBUILT OR IN()BUILT
OR INTRINSIC????)(3N)(CONVERTER??? OR CONVERTOR??? OR TRANSFORMER OR TRANSFORMERS OR
TRANSDUC????)

S6     770585    (NONLINEAR OR NON()LINEAR OR LINEAR??? OR ADAPT??? OR BIQUADRATIC OR
BI()QUADRATIC OR STACK??? OR ADDITIONAL OR ANOTHER OR SECOND OR ADDED OR PT1 OR LOWPASS
OR LOW()PASS OR BANDPASS OR BAND()PASS OR TUNED OR HIGH()CUT OR TREBLE()CUT OR
BUTTERWORTH OR BUTTER()WORTH OR CHEBYSHEV OR BESSEL OR CAUER OR
APPROXIMATE)(3N)(FILTER??? OR NETWORK??? OR CIRCUIT???)  OR (RUNUP OR
RUN()UP)(2N)(TRANSMITTER OR SENSOR OR SENSING) OR COMPARATOR OR COMPARATER OR INTEGRATOR
OR INTEGRATER

S7    1939034    (AD OR A()D OR ANALOG????(2N)DIGIT????? OR DA OR D()A OR DATA OR IMAG???
OR SIGNAL??? OR PULS????)(2N)(CONVERT??? OR CONVERS??? OR SAMPL???? OR COMPUT???? OR
WAVE????) OR DAC OR BIPOLAR()DIGITI????? OR ADC OR MICROCONTROLL??? OR MICROPROCESS???
OR MICRO()PROCESS??? OR MICRO()CONTROL???

S8    3563597    (OPTIM????? OR EFFECT????? OR EFFICIEN????? OR ACCURA???????? OR
MAXIM????? OR BETTER OR EXCEL????? OR IMPROV?????? OR INCREAS???? OR HIGH OR HIGHER OR
ENHANC???? OR GOOD OR QUALIT???? OR PRECIS??? OR ENSUR???)(3N)(CURRENT OR VOLT??? OR
DETECT??? OR SENS??? OR MEASUR??????)

S9     167663    CC=(B1290B OR B7220 OR B1160 OR B1270 OR B6140B OR C1260S OR C5260)
S10         0    S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8
S11        84    (S1(3N)S6) AND (S3(3N)S7)
S12        12    S11 AND S2
S13        12    RD (unique items)
```

2010/01/05 13:55:41
2010/01/05 15:14:34

```
S14        10    S13 NOT PY>2006
S15        11    S11 AND S4
S16         6    RD   (unique items)
S17         6    S16 NOT PY>2006
S18        16    S11 AND S5
S19        12    RD   (unique items)
S20        10    S19 NOT PY>2006
S21        14    S11 AND S8
S22        14    RD   (unique items)
S23        12    S22 NOT PY>2006
S24      1595    S1 AND S3 AND S6 AND S7
S25       378    S24 AND S2
S26        94    S25 AND S4
S27         3    S26 AND S5
S28         2    RD   (unique items)
S29        42    S26 AND S8
S30         1    S29 AND S9
S31       109    (S1(3N)S3) AND (S6(3N)S7)
S32        22    S31 AND S2
S33        19    RD   (unique items)
S34        13    S33 NOT PY>2006
S35         7    S31 AND S4
S36         5    RD   (unique items)
S37         5    S36 NOT PY>2006
S38        11    S31 AND S5
S39         8    RD   (unique items)
S40         5    S39 NOT PY>2006
S41        22    S31 AND S8
S42        18    RD   (unique items)
S43        14    S42 NOT PY>2006
S44         7    S31 AND S9
S45         7    RD   (unique items)
S46         6    S45 NOT PY>2006
S47      7912    S1(3N)S6(3N)S7
S48       945    S47 AND S2
S49       102    S48 AND S3
S50        21    S49 AND S4
S51        16    RD   (unique items)
S52        15    S51 NOT PY>2006
S53         5    S49 AND S5
S54         4    RD   (unique items)
S55         4    S54 NOT PY>2006
S56        33    S49 AND S8
S57         2    S56 AND S9
S58         2    RD   (unique items)
S59      3773    S1(3N)(S6(3N)S7)
S60       401    S59 AND S2
S61        33    S60 AND S3
S62         8    S61 AND S4
S63         6    RD   (unique items)
S64         6    S63 NOT PY>2006
S65         1    S61 AND S5
S66         8    S61 AND S8
S67         7    RD   (unique items)
S68         5    S67 NOT PY>2006
S69         6    S61 AND S9
S70         6    RD   (unique items)
S71         6    S70 NOT PY>2006
S72      2830    (S1(3N)S6)(3N)S7
S73       312    S72 AND S2
S74        28    S73 AND S3
S75         6    S74 AND S4
S76         5    RD   (unique items)
S77         1    S74 AND S5
S78         8    S74 AND S8
S79         7    RD   (unique items)
S80         5    S79 NOT PY>2006
S81         7    S74 AND S9
S82         7    RD   (unique items)
```

2010/01/05 13:55:41
2010/01/05 15:14:34

```
S83       7   S82 NOT PY>2006
S84       5   S17 NOT S14
S85       8   S20 NOT (S14 OR S17)
S86       1   S28 NOT (S14 OR S17 OR S20)
S87       1   S30 NOT (S14 OR S17 OR S20 OR S28)
S88       1   S37 NOT (S14 OR S17 OR S20 OR S28 OR S30)
S89       1   S40 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37)
S90       5   S45 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40)
S91       3   S55 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45)
S92       0   S58 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55)

S93       4   S64 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55 OR
  S58)

S94       0   S65 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55 OR
  S58 OR S64)

S95       2   S68 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55 OR
  S58 OR S64 OR S65)

S96       3   S71 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55 OR
  S58 OR S64 OR S65 OR S68)

S97       0   S76 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55 OR
  S58 OR S64 OR S65 OR S68 OR S71)

S98       0   S80 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55 OR
  S58 OR S64 OR S65 OR S68 OR S71 OR S76)

S99       1   S19 NOT (S14 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR S55 OR
  S58 OR S64 OR S65 OR S68 OR S71 OR S76 OR S80)

S100      8   S23 NOT (S14 OR S19 OR S17 OR S20 OR S28 OR S30 OR S37 OR S40 OR S45 OR
  S55 OR S58 OR S64 OR S65 OR S68 OR S71 OR S76 OR S80)

S101      6   S34 NOT (S14 OR S19 OR S17 OR S20 OR S23 OR S28 OR S30 OR S37 OR S40 OR
  S45 OR S55 OR S58 OR S64 OR S65 OR S68 OR S71 OR S76 OR S80)

S102     10   S43 NOT (S14 OR S19 OR S17 OR S20 OR S23 OR S28 OR S30 OR S34 OR S37 OR
  S40 OR S45 OR S55 OR S58 OR S64 OR S65 OR S68 OR S71 OR S76 OR S80)

S103      9   S52 NOT (S14 OR S19 OR S17 OR S20 OR S23 OR S28 OR S30 OR S34 OR S37 OR
  S40 OR S43 OR S45 OR S55 OR S58 OR S64 OR S65 OR S68 OR S71 OR S76 OR S80)
```

2010/01/05 16:25:59
2010/01/05 17:22:14

[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Dec 1976-2008/Oct(Updated 090220)
[File 350] Derwent WPIX 1963-2008/UD=200913
[File 371] French Patents 1961-2002/BOPI 200209

Set   Items   Description
S1   980886   CONVERTER??? OR CONVERTOR??? OR TRANSFORMER OR TRANSFORMERS OR
TRANSDUCER??? OR VOLT???(2N)(CONTROL???? OR MULTIPLI??????? OR REGULAT?????)

S2   1088924   POWER(2N)(ADAPTER OR ADAPTOR OR ADAPTERS OR ADAPTORS OR CONVERTER??? OR
CONVERTOR??? OR CONVERTING OR CONVERSION OR REGULATOR OR REGULATORS OR REGULATER OR
REGULATERS OR REGULATING OR REGULATION OR RECTIFY OR RECTIFIES OR RECTIFIED OR
RECTIFYING OR RECTIFICATION OR SUPPLY OR SUPPLYING OR SUPPLIES OR SUPPLIED OR SOURCE OR
SOURCES OR PACK OR PACKS) OR PSU OR SUPPLY(2N)(UNIT??? OR DEVICE??? OR APPT OR APPARATUS
OR MEANS) OR UPS OR UNIVERSAL()POWER()SUPPLY OR (UNIVERSAL OR UNINTERRUPTED OR
UNINTERRUPTIBLE)(2N)(SUPPLY OR SOURCE OR POWER)

S3   392762   (MEASUR????? OR TEST???? OR DETERMIN????? OR ANALY????? OR DETECT???? OR
SENS???? OR EVALUAT???? OR INVESTIGAT???? OR IDENTIF??????????)(3N)(CURRENT OR CURRENTS
OR VOLT OR VOLTS OR VOLTAGE)

S4   4531395   (FEED??? OR FED OR SUPPLY??? OR SUPPLI??? OR DELIVER??? OR DISPENS??? OR
PROVID????)(3N)(ELECTRIC??? OR MOTOR OR MOTORS OR MACHINE OR DEVICE???? OR APPT OR
APPARATUS OR MEANS OR METHOD???? OR UNIT??? OR MECHANISM??? OR ASSEMBL????)

S5   29441   (INSIDE OR WITHIN OR INTEGRAT???? OR INTEGRAL??? OR INHERENT??? OR
INTERNAL??? OR RESIDENT OR INCORPORAT??? OR BUILTIN OR BUILT()IN OR INBUILT OR IN()BUILT
OR INTRINSIC????)(3N)(CONVERTER??? OR CONVERTOR??? OR TRANSFORMER OR TRANSFORMERS OR
TRANSDUC????)

S6   638170   (NONLINEAR OR NON()LINEAR OR LINEAR??? OR ADAPT??? OR BIQUADRATIC OR
BI()QUADRATIC OR STACK??? OR ADDITIONAL OR ANOTHER OR SECOND OR ADDED OR PT1 OR LOWPASS
OR LOW()PASS OR BANDPASS OR BAND()PASS OR TUNED OR HIGH()CUT OR TREBLE()CUT OR
BUTTERWORTH OR BUTTER()WORTH OR CHEBYSHEV OR BESSEL OR CAUER OR
APPROXIMATE)(3N)(FILTER??? OR NETWORK??? OR CIRCUIT???) OR (RUNUP OR
RUN()UP)(2N)(TRANSMITTER OR SENSOR OR SENSING) OR COMPARATOR OR COMPARATER OR INTEGRATOR
OR INTEGRATER

S7 ·   1270715   (AD OR A()D OR ANALOG????(2N)DIGIT????? OR DA OR D()A OR DATA OR IMAG???
OR SIGNAL??? OR PULS????)(2N)(CONVERT??? OR CONVERS??? OR SAMPL???? OR COMPUT???? OR
WAVE????) OR DAC OR BIPOLAR()DIGITI????? OR ADC OR MICROCONTROLL??? OR MICROPROCESS???
OR MICRO()PROCESS??? OR MICRO()CONTROL???

S8   1124647   (OPTIM????? OR EFFECT????? OR EFFICIEN????? OR ACCURA???????? OR
MAXIM????? OR BETTER OR EXCEL????? OR IMPROV?????? OR INCREAS???? OR HIGH OR HIGHER OR
ENHANC???? OR GOOD OR QUALIT???? OR PRECIS??? OR ENSUR???)(3N)(CURRENT OR VOLT??? OR
DETECT??? OR SENS??? OR MEASUR??????)

S9	685	IC=(B63H-021/17 OR B60L-011/00)
S10	2378	MC=(U24-D01 OR X12-J01)
S11	37	S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8
S12	0	S11 AND S9
S13	0	S11 AND S10
S14	493	(S1(3N)S3) AND (S6(3N)S7)
S15	157	S14 AND S2
S16	85	S15 AND S4
S17	8	S16 AND S5
S18	37	S16 AND S8
S19	0	S18 AND S9
S20	0	S18 AND S10
S21	16176	S1(3N)S6(3N)S7
S22	1667	S21 AND S2
S23	446	S22 AND S3
S24	211	S23 AND S4
S25	26	S24 AND S5
S26	16	S25 AND S8
S27	0	S14 AND S9
S28	4	S14 AND S10

2010/01/05 16:25:59
2010/01/05 17:22:14

```
S29       0   S21 AND S9
S30      19   S21 AND S10
S31      24   (S3(3N)S5) AND (S6(3N)S7)
S32      24   S31 AND S1
S33       5   S32 AND S2
S34       6   S32 AND S4
S35      12   S32 AND S8
S36       0   S32 AND S9
S37       1   S32 AND S10
S38      13   (S4(3N)S5) AND (S6(3N)S7)
S39    7619   S1(3N)(S6(3N)S7)
S40     796   S39 AND S2
S41     222   S40 AND S3
S42     103   S41 AND S4
S43      16   S42 AND S5
S44      53   S42 AND S8
S45       0   S44 AND S9
S46       0   S44 AND S10
S47    5629   (S1(3N)S6)(3N)S7
S48     630   S47 AND S2
S49     174   S48 AND S3
S50      81   S49 AND S4
S51      13   S50 AND S5
S52      43   S50 AND S8
S53       0   S52 AND S9
S54       0   S52 AND S10
S55       4   S28 NOT S17
S56       0   S33 NOT (S17 OR S28)
S57       0   S34 NOT (S17 OR S28 OR S33)
S58       8   S35 NOT (S17 OR S28 OR S33 OR S34)
S59       0   S37 NOT (S17 OR S28 OR S33 OR S34 OR S35)
S60       8   S51 NOT (S17 OR S28 OR S33 OR S34 OR S35 OR S37)
S61       2   S43 NOT (S17 OR S28 OR S33 OR S34 OR S35 OR S37 OR S51)
S62      12   S38 NOT (S17 OR S28 OR S33 OR S34 OR S35 OR S37 OR S43 OR S51)
S63       6   S26 NOT (S17 OR S28 OR S33 OR S34 OR S35 OR S38 OR S37 OR S43 OR S51)
S64      14   S30 NOT (S17 OR S26 OR S28 OR S33 OR S34 OR S35 OR S38 OR S37 OR S43 OR
 S51)
```

(FILE 'HOME' ENTERED AT 12:06:08 ON 06 JAN 2010)

```
      FILE 'KOREAPAT' ENTERED AT 12:06:29 ON 06 JAN 2010
L1        54027 SEA SPE=ON  ABB=ON  PLU=ON  CONVERTER OR COVERTER OR COVERTOR
                OR CONVERTOR OR TRANSFORMER OR POWER SUPPLY OR ADAPTOR OR
                ADAPTER OR REGULATOR OR REGULATER OR TRANSDUCER OR PSU OR UPS
L2        17049 SEA SPE=ON  ABB=ON  PLU=ON  (MEASUR##### OR TEST### OR
                DETECT#### OR SENS###)(3A)(CURRENT OR VOLT OR VOLTAGE)
L3        83207 SEA SPE=ON  ABB=ON  PLU=ON  ELECTRIC MOTOR OR MOTOR
L4         6217 SEA SPE=ON  ABB=ON  PLU=ON  (NONLINEAR OR LINEAR OR ADAPTIVE
                OR BIQUADRATIC OR BI QUADRATIC OR STACK### OR ADDITIONAL OR
                ANOTHER OR SECOND OR ADDED OR PT1 OR LOWPASS OR LOW PASS OR
                BANDPASS OR BAND PASS OR TUNED OR HIGH CUT OR TREBLE CUT OR
                BUTTERWORTH OR BUTTER WORTH OR CHEBYSHEV OR BESSEL)(2A)FILTER
L5        15718 SEA SPE=ON  ABB=ON  PLU=ON  ANALOG DIGITAL OR DIGITAL ANALOG
                OR AD OR DA OR ADC OR MICROPROCESSOR OR MICROCONTROLLER OR
                MICRO PROCESSOR OR MICRO CONTROLLER
L6            4 SEA SPE=ON  ABB=ON  PLU=ON  L1 AND L2 AND L3 AND L4 AND L5
L7            4 SEA SPE=ON  ABB=ON  PLU=ON  L6 NOT PY>2006
L8          293 SEA SPE=ON  ABB=ON  PLU=ON  L1 AND L4 AND L5
L9           26 SEA SPE=ON  ABB=ON  PLU=ON  L1(3A)L4(3A)L5
L10           1 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L2
L11           1 SEA SPE=ON  ABB=ON  PLU=ON  L9 AND L3
L12          26 SEA SPE=ON  ABB=ON  PLU=ON  L1(3A)L4(3A)L5
L13          25 SEA SPE=ON  ABB=ON  PLU=ON  L12 NOT PY>2006
L14          49 SEA SPE=ON  ABB=ON  PLU=ON  L4(3A)L5
L15          41 SEA SPE=ON  ABB=ON  PLU=ON  L14 AND L1
L16           3 SEA SPE=ON  ABB=ON  PLU=ON  L15 AND L2
L17           2 SEA SPE=ON  ABB=ON  PLU=ON  L15 AND L3
              D L6 IBIB ABS 1-4
L18           1 SEA SPE=ON  ABB=ON  PLU=ON  L10 NOT L6
              D L18 IBIB ABS
L19           1 SEA SPE=ON  ABB=ON  PLU=ON  L11 NOT (L6 OR L10)
              D L19 IBIB ABS
L20           2 SEA SPE=ON  ABB=ON  PLU=ON  L16 NOT (L6 OR L10 OR L11)
              D L20 IBIB ABS 1-2
L21           1 SEA SPE=ON  ABB=ON  PLU=ON  L17 NOT (L6 OR L10 OR L11 OR L16)
              D L21 IBIB ABS
L22          23 SEA SPE=ON  ABB=ON  PLU=ON  L13 NOT (L6 OR L10 OR L11 OR L16
                OR L17)
              D L22 IBIB ABS 1-23
FILE 'STNGUIDE' ENTERED AT 12:19:17 ON 06 JAN 2010
```

Wed, 6 Jan 2010, 1:47:23 PM EST

10/584337

Search Query Display

████████████ ██████

Recent Search Queries	Results
#1 ((((convertor or converter) and (nonlinear filter) and ((analog digital) or (digital analog) or adc or dac))<in>metadata)) <and> (pyr >= 1913 <and> pyr <= 2006)	3

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	36	("20040213100"|"20050002462"|"3714470"|"3922606"|"4514690"|"4797635"|"4958269"|"5355136"|"5973553"|"6078203"|"6194864"|"6356048"|"6559735"|"6592412"|"6759822"|"6760237").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/06 13:52
L2	7	("3281593" | "3573441" | "4317077").PN. OR ("4514690").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:10
L3	7	("4219769" | "4580090" | "5019722" | "5045715" | "5128973" | "5225764").PN. OR ("6078203").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:15
L4	7	("4219769" | "4580090" | "5019722" | "5045715" | "5128973" | "5225764").PN. OR ("6078203").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:17
L5	13	("3393364" | "3784922").PN. OR ("3922606").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:24
L6	7	("3281593" | "3573441" | "4317077").PN. OR ("4514690").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:27
L7	15	("3597541" | "4322811" | "4323980" | "4333158" | "4431976" | "4507578").PN. OR ("4797635").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:28
L8	5597485	converter or convertor or regulater or regulator or transformer or transducer or power supply or UPS or PSU	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:36
L9	26831	(nonlinear or non-linear or adaptive or biquadratic or bi-quadratic or stack$3) near3 filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:37
L10	322557	(linear or additional or another or second or added or PT1 or lowpass or low pass or bandpass or band pass or tuned or high cut or treble cut or butterworth or butter-worth or chebyshev or bessel or cauer) near3 filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:39
L11	590335	(analog-digital or digital-analog or ad or da) near3 (converter or convertor) or ADC or DAC or microcontroller or microprocessor or micro-controller or micro-processor or bipolar digit$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:43
L12	1632891	motor or alternator or electric motor	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:43
L13	720	8 and 9 and 10 and 11 and 12	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:43
L14	716	(b63h021 or h02m007/5387 or b60l011/00).ipc.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:45

L15	1	13 and 14	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:45
L16	852	8 near3 9	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:45
L17	616	16 and 10	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:45
L18	223	17 and 11	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:45
L19	47	18 and 12	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:45
L20	1	19 and 14	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:46
L21	135	8 near3 9 near3 10	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:46
L22	30	8 near3 9 near3 11	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:46
L23	30	22 not (15 or 20)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:47
L24	40	19 not (15 or 20 or 22)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 15:07
L25	9	(8 near3 9) and (10 near3 11)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 15:13
L26	4	25 not (15 or 20 or 22 or 24)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 15:13
L27	1	16 and 14	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 15:14
L28	128	21 not (15 or 20 or 22 or 24 or 25)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 15:15
L29	156	18 not (15 or 19 or 20 or 22 or 24 or 25)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 15:31
L30	6	("4887306" | "5243624" | "5563954" | "5775293" | "6856191" | "6885323").PN. OR ("7613759").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 16:04
L31	3159573	converter or convertor or regulater or regulator or transformer or transducer or power supply or UPS or PSU	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:05

L32	10057	(nonlinear or non-linear or adaptive or biquadratic or bi-quadratic or stack$3) near3 filter	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:05
L33	98611	(linear or additional or another or second or added or PT1 or lowpass or low pass or bandpass or band pass or tuned or high cut or treble cut or butterworth or butter-worth or chebyshev or bessel or cauer) near3 filter	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:05
L34	154895	(analog-digital or digital-analog or ad or da) near3 (converter or convertor) or ADC or DAC or microcontroller or microprocessor or micro-controller or micro-processor or bipolar digit$4	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:05
L35	2116347	motor or alternator or electric motor	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:06
L36	2651	(b63h021 or h02m007/5387 or b60l011/00).ipc.	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:06
L37	1	31 and 32 and 33 and 34 and 35	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:07
L38	82	31 and 32 and 34	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:07
L39	0	38 and 36	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:07
L40	183	31 near3 32	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:08
L41	50	40 and 33	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:08
L42	4	41 and 34	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:09
L43	1	"7154328".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 16:18
L44	11	("4435823" | "4779225" | "4843583" | "5302909" | "5483288" | "5535246" | "5685317" | "6181754" | "6351740" | "6885323").PN. OR ("7154328").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 16:18
L45	46	41 not 42	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:20
L46	82	38 not (41 not 42)	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:48
L47	78	38 not (41 or 42)	EPO; JPO; DERWENT	ADJ	ON	2010/01/06 16:48
S1	2	"20070066155"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2010/01/05 11:18